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A device for determining ...

S/081/62/000/015/010/038
B168/B101

other media. The method is examined theoretically, and the instrument and the method employed for its calibration are described. [Abstracter's note: Complete translation.]

Card 2/2

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.F.

Compensation for errors caused by temperature in measuring the conductivity of electrolytes by direct measuring apparatus. Trudy Giprovostoknefti no.4:265-273 '61. (MIRA 16:8)
(Electrolytes--Conductivity) (Measuring instruments)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, Vyacheslav Filippovich, inzh.; VINOGRADOV, Yuriy Ivanovich, inzh.; GINZBURG, Mark Yakovlevich, inzh.; KASPAR'YANTS, Konstantin Saakovich, inzh.; FRANKFURT, Yakov Mironovich, inzh.; MAMIKONOV, A.G., red.; NOVICHKOVA, M.M., ved. red.; VORONOVA, V.V., tekhn. red.

[Automation of field petroleum processing and gas transportation] Avtomatizatsiia promyslovoi podgotovki nefti i transporta gaza. [By] V.F.Akimov i dr. Moskva, Gostoptekhizdat, 1963. 166 p. (MIRA 16:3)

(Oil fields--Equipment and supplies) (Automation)
(Gas, Natural--Pipelines)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.F.; VOZNESENSKIY, Yu.A.; POPKOV, V.V.

Dynamic properties of a trap-separator as an object of automatic control. Neft. khoz. 42 no.7:52-56 Jl '64.
(MIRA 17:8)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

SHISHKIN, Oleg Petrovich; PARFENOV, Afanasiy Nikolayevich; AKIMOV, V.F., kand. tekhn. nauk; VRONSKIY, L.N., ved. red.

[Principles of automatic control and the automation of industrial processes] Osnovy avtomatiki i avtomatizatsiia proizvodstvennykh protsessov. Moskva, Nedra, 1965. 340 p. (MIRA 18:5)

1. Gosudarstvennyy vsesoyuznyy issledovatel'skiy i proyektnyy institut neftyanoy promyshlennosti (for Akimov).

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

KULAK, I.A.; AKIMOV, V.G.

New method for studying the higher nervous activity of dogs in the case of motor reinforcement. Dokl.AN BSSR 4 no. 5:222-225 My '60. (MIRA 13:10)

1. Institut fiziologii AN BSSR. Predstavleno akademikom AN BSSR V.A.Leonovym.

(CONDITIONED RESPONSE)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

BLINOVA, Z.A., kand.tekhn.nauk; VINITSKIY, L.Ye., kand.tekhn.nauk; MAL'TSEVA, O.N., inzh.; YAKOVLEV, M.A.; AKIMOV, V.G., nauchnyy sotrudnik

Selecting wear resistant rubber for the cones of the central locomotive bearers. Elek. i tepl.tiaga 7 no.11:36-38 N '63. (MIRA 17:2)

1. Otdeleniye polimerov Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta Ministerstva putey soobshcheniya (for Blinova, Vinitskiy, Mal'tseva). 2. Starshiy inzh.-konstruktor Kolomenskogo teplovozostroitel'nogo zavoda (for Yakovlev). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrovozostroyeniya (for Akimov).

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

BLINOVA, Z.A., kand. tekhn. nauk; VINITSKIY, L.Ye., kand. tekhn. nauk; YAKOVLEV, M.A., inzh.; AKIMOV, V.G., inzh.

Selecting rubber for the shock absorbers of the central support cones of the VL60 locomotive. Trudy TSNII MPS no.267:107-112 '63. (MIRA 16:11)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V. I.: Master Tech Sci (diss) -- "The effect of the speed of movement and the weight of trains on the conditions for locating division points in designing railroad lines". Moscow, 1958. 16 pp (Moscow Order of Lenin and Order of Labor Red Banner Inst of Railroad Transport Engineers im I. V. Stalin), 150 copies (KL, No 2, 1959, 120)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.I., inzh.

Effect of train speed and weight on the conditions of locating division points in planning railroads. Trudy MIIT no.118:119-138 '58. (MIRA 12:2)

(Railroad engineering)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.I., inzh.

Economic evaluation of the use of nonstop train crossings at division points. Trudy MIIT no.118:139-144 '58. (MIRA 12:2)
(Railroads--Crossings)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

IOANNISYAN, A.I., prof.; GORINOV, A.V., prof.; AKIMOV, V.I., kand.tekhn. nauk; KANTOR, I.I., kand.tekhn.nauk; KONDRATCHENKO, A.P., kand. tekhn.nauk; SAVCHENKO, I.Ye., kand.tekhn.nauk; TURBIN, I.V., kand. tekhn.nauk; VLASOV, D.I., inzh., red.; KHITROV, P.A., tekhn.red.

[Problems in the planning of railroads with electric and diesel traction] Voprosy proektirovaniia zheleznykh dorog s elektricheskoi i teplovoznoi tiagoi. Moskva, Gos.transp.zhel-dor.izd-vo, 1959. 255 p. (MIRA 13:3)

1. Chlen-korrespondent AN SSSR (for Gorinov).
(Railroad engineering)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.I., kand.tekhn.nauk

"Traction analysis and calculations" by O.N.Isaakian, P.A.Gurskii. Reviewed by V.I.Akimov. Vest. TSNII MPS 20 no.5:63-64 '62. (MIRA 15:8)

1. Belorusskiy institut inzhenerov zheleznodorozhnogo transporta. (Railroad engineering) (Isaakian, O.N.) (Gurskii, P.A.)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

GORINOV, A.V., prof.; KANTOR, I.I., dots.; KONDRATCHENKO, A.P., dots.; REPREV, A.I., dots.; TURBIN, I.V., dots.; LIVSHITS, V.N., kand. tekhn. nauk; AKIMOV, V.I., kand. tekhn. nauk, retsenzent; GURSKIY, P.A., prof., retsenzent; ZAYTSEV, P.F., kand. tekhn.nauk, retsenzent; LISHTVAN, L.L., inzh., retsenzent; PRUSAKOV, M.B., inzh., retsenzent; SHINKAREV, F.S., inzh., retsenzent; SHUL'PENKOV, V.M., inzh., retsenzent; MEDVEDEVA, M.A., tekhn. red.

[Design and planning of railroads] Proektirovanie zheleznykh dorog. [By] A.V.Gorinov i dr. Moskva, Transzheldorizdat, 1963. 308 p. (MIRA 16:9)

1. Chlen-korrespondent AN SSSR (for Gorinov).
(Railroad engineering)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V. I., kand. tekhn. nauk; SALKO, L. I., inzh.

"Principles of railroad design" by A. E. Gibshman. Reviewed by V. I. Akimov, L. I. Salko. Transp. stroi. 13 no.4: Ap '63. (MIRA 16:4)

(Railroad engineering)
(Gibshman, A. E.)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

NESTERENKO, N. I. (Minsk); ZAYTSEV, P. F., kand. tekhn. nauk (Minsk); AKIMOV, V. I., kand. tekhn. nauk (Minsk); SHUL'PENKOV, V. M., inzh. (Minsk)

Prospects of the expansion of the White Russian Railroad. Zhel. dor. transp. 45 no.1:49-51 Ja '63. (MIRA 16:4)

1. Glavnyy inzh. Belorusskoy dorogi (for Nesterenko).

(White Russia--Railroads)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.I., kand.tekhn.nauk (Gomel'); ZAYTSEV, P.F., kand.tekhn.nauk (Gomel'); POTAPENKOV, Z.I., kand.ekonom.nauk (Gomel'); SHUL'PENKO, V.M., inzh. (Gomel'); SALKO, L.I., inzh. (Gomel')

Preparing a railroad line for high-speed traffic. Zhel.dor.transp. 47 no.10:55-57 O '65. (MIRA 18:10)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V. I., and FEDOROV, V. B.

"Determination of the true heat capacity of metals at high temperatures"

Seminar on production methods, physical properties, and electron structure of refractory me als, compounds, and alloys, organized by the Institute of Powder Metallurgy and Special Alloys AS Ukr SSR, Kiev, 25-29 April 1963. (Teplofizika vysokikh temperatur, No. 1, 1963, p. 156)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V. I., NOVITSKIY, L. A. and TRUSHCHITSINA, L. V.

"Measuring of emissivity of solids at temperatures over 1000C"

Seminar on production methods, physical properties, and electron structure of refractory metals, compounds, and alloys, organized by the Institute of Powder Metallurgy and Special Alloys AS Ukr SSR, Kiev, 25-29 April 1963.
(Teplofizika vysokikh temperatur, No. 1, 1963, p. 156)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

Akimov, V.I.

V.B. Fedorov, V.I. Akimov. Heat capacity of metals at high temperatures.

Title: Seminar on refractory metals, compounds, and alloys (Kiev, April 1963)

Source: Atomnaya energiya, v. 15, no. 3, 1963, 266-267

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

Doc Med Sci

AKIMOV, V. I.

Dissertation: "Nerves of Thyroid Gland."
12/10/50

Acad Med Sci USSR

SO Vecheryaya Moskva
Sum 71

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.I., professor (L'vov)

Clinical significance of angioreceptors of the thyroid gland.
Klin.med. 32 no.9:49-52 S '54. (MLRA 7:12)
(THYROID GLAND, blood supply,
neural receptors of thyroid vessels)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.I., professor; ROTENBERG, D.L., doktor meditsinskikh nauk

Diagnosis of gastroduodenal hemorrhages. Khirurgiia, Moskva, no.1:16-18 Ja '55. (MLRA 8:9)

1. Iz kliniki obshchey khirurgii pediatricheskogo i sanitarno-gigiyenicheskogo fakul'teta (zav.kafedroy prof. V.I. Akimov) L'vovskogo meditsinskogo instituta (dir. prof. L.N. Kuz'menko)

(HEMORRHAGE, duodenum & stomach, diag.)
(DUODENUM, hemorrhage, diag.)
(STOMACH, hemorrhage, diag.)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.I., professor (L'vov, ul. Mechnikova, d. 19a, kv.3); BOVA, S.M.

Diagnosis and treatment of ulcerous gastroduodenal hemorrhages.
Nov.khir.arkh. no.1:3-7 Ja-F '57. (MLRA 10:6)
(PEPTIC ULCER) (HEMORRHAGE)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.I., professor; BOVA, S.M.; MERENOV, V.V.

X-ray diagnosis in gastroduodenal hemorrhages. Vrach.delo no.6: 587-589 Je '57. (MLRA 10:8)

1. Klinika fakul'tetskoy khirurgii (zav. kafedroy - prof. V.I. Akimov) sanitarno-gigiyenicheskogo i pediatricheskogo fakul'tetov L'vovskogo meditsinskogo instituta
(HEMORRHAGE) (ABDOMEN--RADIOGRAPHY)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.I.; ALEKSEYENKO, I.P.; ALENT'YEVA, K.A.; AMOSOV, N.M.; ARUTYUNOV, A.I.; BAKTUS', V.D.; VASHCHENKO, I.D.; GELLERMAN, D.S.; GRISHIN, M.A.; DANKEVICH, T.N.; DENISOVA, A.G.; DOLGOVA, M.P.; IVANOV, N.A.; ISHCHENKO, I.N.; KATS, V.A.; KOLOMIYCHENKO, M.I.; LAVRIK, S.S.; LIMAREV, A.A.; NAZAROVA, N.G.; NOVACHENKO, N.P.; PETRUNYA, S.P.; PKHAKADZE, A.L.; RUDENKO, F.A.; SERGIYEVSKIY, V.F.; TAYTSLIN, I.S.; TARTAKOVSKIY, B.S.; CHIZHONOK, P.I.; SHALABALA, M.P.; SHUMADA, I.V.; SHUPIK, P.L.

Konstantin Konstantinovich Skvortsov; obituary. Nov.khir.arkh. no.3:142-143 My-Je '59. (MIRA 12:10)
(SKVORTSOV, KONSTANTIN KONSTANTINOVICH, 1871-1959)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.I., prof.; BOVA, S.M.

Total gastrectomy. Kaz.med.zhur. 40 no.4:34-37 Jl-Ag '59.
(MIRA 13:2)

1. Iz kafedry fakul'tetskoy khirurgii pediatricheskogo i sanitarno-gigiyenicheskogo fakul'tetov (zav. - prof. V.I. Akimov) L'vovskogo meditsinskogo instituta 5-y gorodskoy klinicheskoy bol'nitsy (glavvrach - I.I. Khoma).
(STOMACH--SURGERY)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.I., prof. [deceased]; KRIVITSKIY, D.I.

Surgical treatment of thyrotoxicosis. Klin. khir. no.3:50-53 '65. (MIRA 18:8)

1. Kafedra khirurgii I (zav. - prof. V.I.Akimov [deceased]) Kiyevskogo instituta usovershenstvovaniya vrachey.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

BUSEV, A.I.; AKIMOV, V.K.

Complex halide compounds of osmium (IV) with pyrazolone derivatives. Zhur.neorg.khim. 7 no.9:2071-2077 S '62. (MIRA 15:9)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.
(Osmium compounds) (Pyrazolone)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

BUSEV, A.I.; AKIMOV, V.K.

Use of diantipyrylpropylmethane for the photometric determination of osmium in the presence of ruthenium. Zhur.anal.khim. 17 no.8: 979-984 N '62. (MIRA 15:12)

1. Lomonosov Moscow State University.
(Osmium—Analysis) (Spectrophotometry)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

BUSEV, A.I.; AKIMOV, V.K.

Gravimetric determination of osmium and iridium by means of some antipyrine derivatives. Vest.Mosk.un. Ser.2:Khim. 18 no.1: 43-47 Ja-F '63. (MIRA 16:5)

1. Kafedra analiticheskoy khimii Moskovskogo universiteta.
(Osmium--Analysis) (Iridium--Analysis) (Antipyrine)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

BUSEV, A.I.; AKIMOV, V.K.

Complex compounds of iridium with some derivatives of pyrazolone and their uses. Zhur.neorg.khim. 8 no.2:302-310 F '63. (MIRA 16:5)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Iridium compounds) (Pyrazololinone)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

BUSEV, A.I.; AKIMOV, V.K.; GUSEV, S.I.

Derivatives of pyrazolone as analytical reagents. Usp.khim. 34 no.3:565-583 Mr '65. (MIRA 18:4)

1. Moskovskiy gosudarstvennyy universitet, kafedra analiticheskoy khimii.

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

BUSEV, A.I.; ZAYTSEV, B.Ye.; AKIMOV, V.K.

Structure of antipyrine compounds and its derivatives with acido complexes of metals. Zhur. ob. khim. 35 no.9:154[illegible]-1551 S '65. (MIRA 18:10)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley i Moskovskiy gosudarstvennyy universitet.

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

ZAYTSEV, B.Ye.; AKIMOV, V.K.; BUSEV, A.I.; GUSEV, S.I.

Structure of pyramidon complexes with metals. Zhur.ob.khim. 35 no.12:2119-2123 D '65. (MIRA 19:1)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley i Moskovskiy gosudarstvennyy universitet im. Lomonosova. Submitted November 16, 1964.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.M.; KLYACHKO-GURVICH, A.L.; RUBINSHTEYN, A.M.; SIMULIN, Yu.N.; SLINKIN, A.A.; SEMINA, R.T.

Study of catalysts for ammonia synthesis with different degrees of reduction. Izv. AN SSSR. Ser. khim. no.12:2208-2210 D '63. (MIRA 17:1)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.M.; SHUYKIN, N.I.; KASHKOVSKAYA, L.K.; KONONOV, N.F.

Phase transitions in the process of regeneration of the nickel-magnesium-aluminum oxide spinel catalyst. Izv. AN SSSR Ser.khim. no.10:1862-1863 O '63. (MIRA 17:3)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

SHUYKIN, N.I.; KONONOV, N.F.; KASHKOVSKAYA, L.K.; AKIMOV, V.M.

Catalytic hydrodealkylation of polyalkyl benzenes. Part 4: Demethylation of toluene on catalysts of the Ni - MgO . Al_2O_3 composition. Zhur.ob.khim. 33 no.12:3871-3875 D '63. (MIRA 17:3)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

CHERKEZ, Abram Yakovlevich; ABRAMOVICH, G.N., doktor tekhn. nauk, retsenzent; AKIMOV, V.M., kand. tekhn. nauk, retsenzent; KOTLYAR, Ya.M., kand. tekhn. nauk, nauchn. red.

[Using the method of minor deviations in designing gas-turbine engines] Inzhenernye raschety gazoturbinnykh dvigatelei metodom malykh otklonenii. Moskva, Mashinostroenie, 1965. 354 p. (MIRA 18:12)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.M.; ULITIN, O.A.

Determining the acid number of vegetable oils by means of potentiometric titration. Izv.vys.ucheb.zav.; pishch.tekh. no.5:162-166 '58. (MIRA 11:11)

1. Krasnodarskiy institut pishchevoy promyshlennosti, Kafedra fizicheskoy i kolloidnoy khimii.
(Oils and fats, Edible) (Potentiometric analysis)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

SOV/62-58-8-3/22

AUTHORS: Rubinshteyn, A. M., Akimov, V. M., Kretalova, L. D.

TITLE: The Properties and the Structure of $NiO-Al_2O_3$-Catalysts (Svoystva i struktura $NiO-Al_2O_3$-katalizatorov) Note 2: The Radiographic Investigation of the Influence of the Interaction of the Components and of the Conditions of Thermal Treatment on the Phase Composition and Crystalline Structure (Soobshcheniye 2. Rentgenograficheskoye izucheniye vliyaniya sootnosheniya komponentov i usloviy termicheskoy obrabotki na fazovyy sostav i kristallicheskuyu strukturu)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk, 1958, Nr 8, pp. 929-936 (USSR)

ABSTRACT: The investigation of the activity and effective selectivity in the reaction of the decomposition of $i-C_3H_7OH$ $NiO-Al_2O_3$-catalysts described in the previous paper (Ref 1) furnished the proof of the interaction of the components in solid $NiO-Al_2O_3$-catalysts. Therefore it was assumed that they exhibit a phase structure. This assumption needed, however,

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The Properties and the Structure of $NiO-Al_2O_3$-Catalysts. Note 2: The Radiographic Investigation of the Influence of the Interaction of the Components and of the Conditions of Thermal Treatment on the Phase Composition and Crystalline Structure

checking and proving by means of physical methods of investigation. Especially the detailed radiographic investigation of the $NiO-Al_2O_3$-catalysts could remove the deviation of the results (preliminary work of the authors and investigations carried out by Milligan and Merten (Ref 2), and Milligan and Richardson (Ref 3)). The first important result obtained from this work was that the authors found that among the catalysts investigated no amorphous ones were detected. Thus, the data supplied by Milligan and Merten could not be disproved in any way. They also found that the X-ray structural measurements showed the crystalline structure of the commonly precipitated catalysts (pH8)$NiO-Al_2O_3$ containing from 0 to 100 molar % of NiO (in contrast to those catalysts described by Milligan and Merten (Ref 2)). It was shown that the conditions of production exert a greater influence on the structure of the catalysts than the quantitative correlation of the components. It was also

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The Properties and the Structure of $NiO-Al_2O_3$-Catalysts. Note 2: The Radiographic Investigation of the Influence of the Interaction of the Components and of the Conditions of Thermal Treatment on the Phase Composition and Crystalline Structure

found that catalysts of less than 50 molar % of NiO are monophase and do not have a free NiO. By measuring the parameter of the crystal lattice and of the occurring modifications in the concentration of NiO it was found that these monophase catalysts consist of a spinel solution of $NiAl_2O_4$ (in excess γ-Al_2O_3). The catalytic properties of $NiO-Al_2O_3$ were compared to the data of the phase and structural analyses. It turned out that there exist optimum parameters of the spinel lattice within the range of from 7,90 to 7,95 Å (for the dehydration). There are 1 figure, 3 tables, and 13 references, 9 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy, AS USSR)

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SOV/62-58-8-3/22

The Properties and the Structure of NiO-Al_2O_3-Catalysts. Note 2: The Radiographic Investigation of the Influence of the Interaction of the Components and of the Conditions of Thermal Treatment on the Phase Composition and Crystalline Structure

SUBMITTED: March 8, 1957

Card 4/4

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

5 (4)

AUTHORS: Rubinshteyn, A. M., Minachev, Kh. M. SOV/79-29-8-10/81
Akimov, V. M.

TITLE: The Dependence of the Distribution of Platinum in the Impregnated Pt-C Catalyst on the Concentration of the Initial Solution H_2PtCl_6 and on the Nature of Carbon Granulation

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 8, pp 2503 - 2508 (USSR)

ABSTRACT: The authors previously made a radiographic investigation of the penetration of platinum into the catalyst grain of the platinized carbon having different grain size (Ref 1); however, the determinations were not carried out accurately. Besides, the fibrous structure of the carbon obstructed exact density measurements on the photographs. The photorecording method was therefore abandoned, and the ionization method, according to the X-ray apparatus URS-50-I, was used under strict conditions of comparison. These experiments were further intended to explain whether the depth of platinum penetration into the carbon depends on the concentration of the initial solutions. The distribution of the platinum in the carbon grain was determined in the impregnated Pt-C catalysts according to the absorption

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The Dependence of the Distribution of Platinum in the Impregnated Pt-C Catalyst on the Concentration of the Initial Solution H_2PtCl_6 and on the Nature of Carbon Granulation

SOV/79-29-8-10/81

of X-rays which had been measured by the above ionization method. These catalysts contained 20.4 and 2% platinum, and the grain sizes of the carbon amounted to 2-10 mm. It was confirmed that the concentration of platinum decreased from the surface inward, and it was ascertained that with the decrease of the concentration of platinum in the initial solution, the concentration gradient of the platinum also decreases as the latter penetrates into the grain (i.e. that the diluted solutions yield catalysts with better distribution of the metal). The catalytic activity in the various dehydrogenations of cyclohexane and in the hydrogenation of benzene was also determined. The corresponding results are tabulated. There are 4 figures, 1 table, and 3 Soviet references.

ASSOCIATION: Institut organicheskoy khimii Akademii nauk SSSR (Institute of Organic Chemistry of the Academy of Sciences, USSR)

SUBMITTED: July 14, 1958

Card 2/2

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

5(2,3)

AUTHORS: Rubinshteyn, A. M., Afanas'yev, V. A., SOV/20-124-5-32/62
Akimov, V. M., Pribytkova, N. A., Slovetskaya, K. I.

TITLE: The Influence of the Composition and of the Conditions of the Thermal Treatment on the Structure and Catalytic Activity of Al_2O_3-ZrO_2 Catalysts (Vliyaniye sostava i usloviy termicheskoy obrabotki na strukturu i kataliticheskuyu aktivnost' Al_2O_3-ZrO_2-katalizatorov)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 5, pp 1076-1079 (USSR)

ABSTRACT: The authors are not aware of publications on results of systematic changes of the ratio of components or of the conditions of the thermal treatment nor on the determination of the specific activity of the catalysts mentioned in the title. They have investigated the decomposition of absolute isopropyl alcohol on such catalysts which had been produced by precipitation with 10 % ammonia from 10 % solutions of Al- and Zr-nitrate at room temperature and pH 8.7-9.5. During the calcining of samples of the catalysts at 400, 600, and 750° it was found that the dehydration of the hydroxide is already

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sufficient at 400°. The catalysts consist of oxides. The additional removal of water at 750° was only as much as 2 % which had still remained adsorbed. The values of the velocity constant K of the reaction were calculated from the equation $K = \frac{Nm}{M - m/2}$ (Ref 5) and the specific activity A_{sp} (Table 1) was calculated from K and S (specific surface area). Figure 1 shows the calculated S values (Ref 6). This indicates that the catalysts had a very highly developed surface and a fairly high thermal stability. This expresses the mutual protection afforded by the components before crystallization (sintering). Figure 2 shows the change in the porous structure of the catalysts during calcining. Said catalysts were already active at 230° whereas ZrO_2 alone reaches the same activity only at 300°. Table 1 states the degrees of conversion between 245 and 260°. Only a dehydration of $i\text{-}C_3H_7OH$ took place on all binary catalysts. The increase in activity was clearly due in this case to high S values of the binary catalysts compared to

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Al_2O_3. It can be concluded that the addition of ZrO_2 does not result in an activation of Al_2O_3 under the conditions given. Figure 3 shows a diagram - the variation of A_{sp} with the composition and the calcining temperature of the catalysts (1-750°, 2-600°, 3-400°) - for experiments carried out at 260°. The fact that A_{sp} is constant throughout a wide range of ZrO_2 concentrations seems to indicate that the reaction is taking place in this case only on Al_2O_3 whereas ZrO_2 behaves only as an inert support. All this is in good agreement with the results of the X-ray analysis (made with the assistance of L. D. Kretalova). It has been found that in co-precipitated catalysts ZrO_2 and Al_2O_3 are present as separate phases rather than solid solutions (in agreement with reference 4). Neither the increase of the temperature at which the experiment was carried out (up to 320°), nor of the volume velocity (up to

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$12h^{-1}$) have destroyed, on the whole, the picture of figure 3 nor affected the conclusions derived therefrom in table 1. This relates to the catalysts calcined at 600°. The total activity (Table 1) and A_{sp} increase with the calcining temperature between 400 and 600° (Fig 3) probably because the finest pores are destroyed, which are difficultly accessible to the alcohol molecules. There are 3 figures, 1 table, and 6 references, 4 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy of the Academy of Sciences, USSR)

PRESENTED: October 17, 1958, by A. A. Balandin, Academician

SUBMITTED: April 19, 1958

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78060
SOV/62-60-1-6/37

AUTHORS: Rubinshteyn, A. M., Slovetskaya, K. I., Akimov, V. M., Pribytkova, N. A., Kretalova, L. D.

TITLE: Polymorphism and Catalytic Properties of Al_2O_3

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1960, Nr 1, pp 31-38 (USSR)

ABSTRACT: Polymorphic modifications of Al_2O_3 and their catalytic properties were studied. Preparation of γ-, α-, χ-, $\varkappa$-, Θ-, δ-Al_2O_3 modifications is given. It was shown that formation of different Al_2O_3 modifications depends not only on the thermal conditions of dehydration, but also on the structure of the starting aluminum hydroxide. The following three series of conversions are given:

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Polymorphism and Catalytic Properties of Al_2O_3

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(a) Hydrargillite → $\chi(k',\varepsilon)$-Al_2O_3 → k-Al_2O_3 → α-Al_2O_3
(b) Bayerite
(c) Boehmite → $\gamma(\eta)$-Al_2O_3 → δ-Al_2O_3 → θ-Al_2O_3 ↑
(d) diaspore → α-Al_2O_3

General and specific catalytic activity of the above modifications was determined by using them in catalytic dehydration of i-C_3H_7OH. The general catalytic activity of the modifications changes with the change of specific surface. According to their specific catalytic activity the modifications (containing the same amount of residual water per 1 m^2 of surface) form the following series: $\theta > \chi > \varkappa > \gamma (< \delta) \gg \alpha$.

Activity of some modifications prepared at high temperatures is higher than that of modifications prepared at lower temperatures. X-ray studies show that in the catalytic experiments the modifications

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Polymorphism and Catalytic Properties of Al_2O_3

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SOV/62-60-1-6/37

retain their structural characteristics. There are 2 tables; 4 figures; and 17 references, 6 U.S., 1 U.K., 1 French, 5 German, 4 Soviet. The 5 most recent U.S. and U.K. references are: H. C. Stumpf, A. S. Russell, I. W. Newson, C. M. Tucker, Industr. and Engng. Chem. 42, 1938 (1950); J. F. Brown, D. Clark, W. Elliot, J. Chem. Soc., 84 (1953); M. K. Day, V. F. Hill, J. Phys. Chem. 57, 946 (1953); A. S. Russell, C. N. Cochran, Industr. and Engng. Chem. 42, 1336 (1950); W. Brey, R. Krieger, J. Am. Chem. Soc., 71, 3637 (1949).

ASSOCIATION: N. D. Zelinskiy Institute of Organic Chemistry Academy of Sciences USSR (Institut organicheskoy khimii imeni N. D. Zelinskogo Akademii nauk SSSR)

SUBMITTED: May 5, 1958

Card 3/3

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.M.

Some data on the crystals of diacetonylmercury and α-aminoisopropylphosphonic acid monohydrate. Kristallografiia 5 no. 6:950-953 N-D '60. (MIRA 13:12)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo.
(Propanone) (Phosphonic acid)

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RUBINSHTEYN, A.M.; KLYACHKO-GURVICH, A.L.; AKIMOV, V.M.

Phase composition and texture of alumina-chromium oxide catalysts prepared by coprecipitation. Izv.AN SSSR.Otd.khim.nauk no.5:780-788 My '61. (MIRA 14:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Alumina) (Chromium oxide)

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AKIMOV, V.M.; SLINKIN, A.A.; RUBINSHTEYN, A.M.; SHUYKIN, N.I.; KONONOV, N.F.; KASHKOVSKAYA, L.K.

Effect of spinel formation on the regenerative capacity of the Ni - A_2O_3 catalyst. Izv. AN SSSR. Otd.khim.nauk no.8:1516-1518 Ag '61. (MIRA 14:8)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
(Spinel) (Catalysts)

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RUBINSHTEYN, A.M.; PRIBYTKOVA, N.A.; AKIMOV, V.M.; KRETALOVA, L.D.; KLYACHKO-GURVICH, A.L.

Effect of alkali metal oxides on the activity, selectivity, and phase composition of binary catalysts based on Al_2O_3. Izv. AN SSSR. Otd.khim.nauk no.9:1552-1558 S '61. (MIRA 14:9)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Alkali metal oxides) (Catalysts)

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AKIMOV, V.M.; LITVIN, Ye.F.; RUBINSHTEYN, A.M.; FREYDLIN, L.Kh.

Phase transitions during the preparation of Ni-MgO catalysts by the decomposition of oxalates in a hydrogen stream. Izv.AN SSSR.Otd.khim.nauk no.10:1892-1894 O '61. (MIRA 14:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Nickel oxalate) (Magnesium oxide)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

SHUYKIN, N.I.; KONONOV, N.F.; KASHKOVSKAYA, L.K.; AKIMOV, V.M.

Catalytic hydrodealkylation of polyalkyl benzenes. Part 3: Demethylation of toluene on nickel-alumina catalysts. Effect of nickel concentration. Zhur.ob.khim. 32 no.11:3595-3599 N '62. (MIRA 15:11)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.

(Toluene) (Methyl group)
(Nickel catalysts)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.M. (Stalino)

Pine plantings in sandy soils. Put' i put.khoz. 5 no.8:34-35 Ag '61. (MIRA 14:10)
(Windbreaks, shelterbelts, etc.)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

GNILOVSKOY, V.G., inzh.; AKIMOV, V.M., inzh.

New drills equipped with dust collectors. Gor.zhur. no.5:54-56 My '62. (MIRA 16:1)

1. Zavod "Pnevmatika", Leningrad.
(Boring machinery) (Dust collectors)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

LACHINOV, S.S.; RUBINSHTEYN, A.M.; AKIMOV, V.M.; KLYACHKO-GURVICH, A.L.; KONYUKHOVA, I.N.; KUZNETSOV, L.D.; LEVITSKAYA, T.T.; PRIBYTKOVA, N.A.; SLINKIN, A.A.; CHESNOKOVA, R.V.

Complex investigation of iron catalysts for ammonia synthesis. Kin. i kat. 5 no.3:478-489 My-Je '64. (MIRA 17:11)

1. Institut organicheskoy khimii AN SSSR i Gosudarstvennyy institut azotnoy promyshlennosti.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

L 52349-65 EPF(c)/EWP(j)/EWT(m) Pc-4/Pr-4 RM
ACCESSION NR: AP5011[illegible] UR/0195/65/006/002/0285/0293

AUTHOR: Rubinshteyn, A. M.; Pribytkova, N. A ; Akimov, V. M.; Klyachko-Gurvich, A. L.; Slinkin, A. A.; Mel'nikova, I. V.

TITLE: A comprehensive study of ferric catalysts for ammonia synthesis
II. Structure and grain of twice activated precipitated catalysts

SOURCE: Kinetika i kataliz, v. 6, no. 2, 1965, 285-293

TOPIC TAGS: ammonia, potassium compound, alumina, catalyst

ABSTRACT: The authors studied the effect of potassium oxide on the following properties of iron-alumina catalysts synthesized from coprecipitated hydroxides: [illegible] specific volumes and [illegible] of pores [note: these three parameters are referred to as "grain" and] [illegible], magnetic saturation magnetization and ferromagnetic resonance spectra. The addition of K_2O doubles the activity in comparison to catalysts activated only by Al_2O_3. The potassium oxide does not change the optimum quantity of Al_2O_3. The activity of a unit volume of the precipitated catalysts is close to that of fused catalysts of the same composition. The test specimens were made up with 8 different Fe_2O_3/Al_2O_3 ratios (see table 1 of the Enclosure). The samples were prepared in 4

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L 52349-65

ACCESSION NR: AP5011683

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... the first was the "control" surface ... the oth...

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ACCESSION NR: AP5011683 ENCLOSURE: 01

Table 1

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

ACC NR: AP7002556 (A,N) SOURCE CODE: UR/0413/66/000/023/0037/0037

INVENTOR: Buyvol-Kot, Yu.I.; Chuprov, M.Ye.; Tsybayev, B.G.; Akimov, V.M.

ORG: none

TITLE: Dipole-slot antenna. Class 21, No. 189032

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 37

TOPIC TAGS: slot antenna, dipole antenna, waveguide antenna

ABSTRACT: An Author Certificate has been issued for a dipole-slot antenna which comprises a symmetrical dipole and a waveguide slot radiator in the form of a shortcircuited section of a rectangular waveguide. To secure separate reception or transmission of mutually perpendicular electromagnetic signals in a wide range of frequencies, the symmetrical dipole is placed above the waveguide slot radiator in parallel to the slot.

SUB CODE: 09/ SUBM DATE: 18Mar65 / ATD PRESS: 5113

Card 1/1 UDC: 621.396.677.71

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

40839

S/535/62/000/147/005/010
I011/I211

AUTHOR: Akimov, V. N., Engineer

TITLE: About one error of the compensating accelerometer

SOURCE: Moscow. Aviatsionny institut. Trudy, no. 147, 1962. Navigatsionnyye i giroskopicheskiye ustroystva, 45-50

TEXT: The displacement of the moving part of the accelerometer is transformed into voltage, amplified and the amplifier output current flows through a compensating coil which is fixed to the moving part and is placed in a constant magnetic field. The resulting force compensates the force that caused the displacement. The compensating current is a measure of the acceleration and is directly proportional to it. When current flows in the compensating coil it changes the magnetic induction in the air gap thus varying the proportionality factor between the current and the acceleration. This variation is considerable when the accuracy desired is better than 1%. The transfer function (proportionality factor) is expanded in a Taylor series around the zero value of the compensating current, and only the two first members are taken. It is then shown that there is a square law dependence of the current on the acceleration. An estimated expression for the coefficient of the square member is evaluated, but it is suggested that it is better to measure it. Another coil is added in series with the compensating one so that the two magnetic fluxes oppose each other. The number of turns in the additional coil (which is fixed on the permanent agnet) is somewhat higher than in the compensating

Card 1/2

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

About one error of...

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I011/I0211

coil. A variable resistor is added in parallel to the additional coil to regulate its magnetic flux. This compensating scheme has been tested experimentally and yielded good results. All square-law errors are eliminated. The experimental results are shown on a graph to give absolute errors of less than $.5 \times 10^{-4}$ cm/sec^2 in the interval of accelerations of $-g \ldots +g$. There are 3 figures and a table of some basic properties of different magnetic materials.

Card 2/2

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

40842

S/535/62/000/147/008/010
I011/I211

AUTHOR: Akimov, V. N., Engineer

TITLE: An estimate of the dynamic accuracy of some systems

SOURCE: Moscow. Aviatsionnyy institut. Trudy, no. 147. 1962. Navigatsionnyye i giroskopicheskiye ustroystva. 72–75

TEXT: The academician V. S. Kulebakin [Ref. 2: Trudy vsesoynznogo soveshchaniya po teorii avtomaticheskogo regulirovaniya, ch. II, AN SSSR, 1955 (Proceedings of the all-Union conference on automatic control theory, part II, AS USSR, 1955)] showed that the transfer function of a system has to have a certain operator $K(\rho)$ (that depends on the forcing function) as its multiplier in order that the steady-state error of the system be zero.

A system consisting of a section with a transfer function given by

$$\Phi(\rho) = \frac{P(\rho)}{Q(\rho)} \qquad (1)$$

($P(\rho)$ and $Q(\rho)$ are polynomials in ρ; the numerator power is lower than that of thr denominator; $Q(\rho)$ is a Hurwity ploynomial) that transforms the input forcing function $X(t)$ into the output $y(t)$ and of an integrator that operates on $y(t)$ is investigated. The transient error of the system is estimated by

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, Valentin Nikolayevich [deceased]; APAROV, Boris Petrovich, [deceased]; BALAGUROV, Vladimir Aleksandrovich; GALTEYEV, Fedor Fedorovich; KOROBAN, Nikolay Timofeyevich; LARIONOV, Andrey Nikolayevich, redaktor; MASTYAYEV, Nikolay Zosimovich; SENKEVICH, A.M., redaktor; SKVORTSOV, I.M., tekhnicheskiy redaktor.

[Principles for the electric equipment of airplanes and automobiles] Osnovy elektrooborudovaniia samoletov i avtomashin. Pod red. A.N.Larionova. Moskva, Gos.energ.izd-vo, 1955. 384 p. (MLRA 8:12)

1. Chlen korrespondent AN SSSR (for Larionov)
(Airplanes--Electric equipment) (Automobiles--Electric Equipment)

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AKIMOV, V.N.

Angina and related diseases. Kaz. med. zhur. no.6:65-71 N-D '63.
(MIRA 17:10)

1. Kafedra bolezney ukha, gorla i nosa (zav. - prof. N.N. Lozanov) Kazanskogo meditsinskogo instituta i otorinolaringologicheskoye otdeleniye Kazanskoy respublikanskiy klinicheskoy bol'nitsy (glavnyy vrach - K.L. Svechnikov).

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.N.; LOZANOV, N.N.

Prophylaxis of allergy. Nauch. trudy Kaz. gos. med. inst. 14:341-343 '64. (MIRA 18:9)

1. Kafedra otorinolaringologii (zav. - prof. N.N.Lozanov) Kazanskogo meditsinskogo instituta i otorinolaringologicheskoye otdeleniye Respublikanskoy klinicheskoy bol'nitsy (glavnyy vrach K.L.Svechnikov) Ministerstva zdravookhraneniya Tatarskoy ASSR.

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AKIMOV, V.P., inzh.

Throughs and track signs made with reinforced concrete. Put' put.khoz. 6 no.6:28-30 '62. (MIRA 15:7)

1. Zamestitel' nachal'nika Vyborgskoy distantsii puti Oktyabr'skoy dorogi.
(Railroads--Buildings and structures)
(Reinforced concrete construction)

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AKIMOV, V. S.

K. A. Sokolova and V S. Akimov "Penicillin Therapy for Suppurative Diseases of the Skin and Subcutaneous Cellular Tissue in New Born Babies," Akusher. i Ginekol., No. 5, 1949. Maternity Home, Svordlovsk Rayon and 2nd Clinic, Chair Obstet. & Gynecol., 1st Leningrad Med. Inst.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V. S., ZHERDEVA, L. G., KARASEVA, A. A., VOZNESENSKAYA, E. V., ALTSHULER, A. E., KROL, B. B., OROCHKO, D. I., MIKHAYLOV, B. B., AGAFONOV, A. V., DRUZHININA, A. V.

"Production of Lubricating Oils and Paraffin from Sulfurous Oils in the USSR."

Report submitted at the Fifth World Petroleum Congress, 30 May - 5 June 1959. New York City.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

KRASYUKOV, A.F.; AKIMOV, V.S.; SHEPSHELEVICH, M.I.; SLUTSKAYA, S.M.; KOLESN[redacted]BAYLYUK, N.S.

Delayed coking of heavy petroleum residues. Trudy BashNII NP no.1:63-79 '59. (MIRA 12:6)
(Petroleum coke)

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KREYN, S.E.; GOL'DBERG, D.O.; AKIMOV, V.S.; YEVDOKIMOV, O.P.; ABRAMOVICH, S.Sh.

Additional means for increasing the output of high-quality lubricating oils. Khim.i tekh.topl.i masel 4 no.2:4-10 F '59. (MIRA 12:2)

(Lubrication and lubricants)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

KRASYUKOV, A.F.; AKIMOV, V.S.; SYUNYAYEV, Z.I.; SHEPSHELEVICH, M.I.

Some aspects of the mechanism of coking. Trudy Bash. NII NP no.3:101-118 '60. (MIRA 14:4)
(Petroleum coke)

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GOL'DBERG, D.O.; KREYN, S.E.; AKIMOV, V.S.; ABRAMOVICH, S. Sh.; YEVDOKIMOV, O.P.; FATKULLINA, N.S.; KULINICHEVA, M.A.

Relation between the physicochemical properties and performance characteristics of residual oils from sulfur-bearing crudes and the depth of phenol extraction. Trudy Bash NII NP no.3:69-81 '60. (MIRA 14:4)

(Lubrication and lubricants—Testing)
(Petroleum—Refining)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

CHERNYSH, M.Ye; CHEREK, M.I.; AKIMOV, V.S.; SABADASH, Yu.S.

Setting a combined system for the thermal reforming of straight-run gasoline from lightly cracked tar at the units of thermal cracking. Khim.i tekh.topl.i masel 6 no.1:6-11 Ja '61. (MIRA 14:1)

1. Upravleniye Bashneftekhimzavody i Bashkirskiy nauchno-issledovatel'skiy institut neftyanoy promyshlennosti.
(Gasoline) (Cracking process)

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AKIMOV, V.S.; KOSTRIN, K.V.; KREYMER, M.L.; SABADASH, Yu.S.

Rebuilding pressure vacuum distillation thermal cracking units in the Bashkir petroleum refineries. Khim. i tekh. topl. i masel 6 no.11:11-14 N '61. (MIRA 14:12)

1. Bashkirskiy nauchno-issledovatel'skiy institut po pererabotke nefti.

(Bashkiria--Petroleum refineries--Equipment and supplies)

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AKIMOV, V.S.; DADAYAN, G.T.; OL'KOV, P.L.

Increasing the effectiveness of the washing of a lump of fairly oil-free paraffin in the cylinders of the vacuum filters in dewaxing units. Trudy Bash NIINP no.5:110-117 '62. (MIRA 17:10)

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AKIMOV, V.S.; CHEREK, I.I.; KRUGLIKOVA, O.S.

Intensifying the deoiling of fairly oil-free paraffins and petrolatums and the dewaxing of oils. Trudy Bash NIINP no.5:117-130 '62. (MIRA 17:10)

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AKIMOV, V.S.; KOSTRIN, K.V.; KREYMER, M.L.; SAHADASH, Yu.S.

Remodeling pressure-vacuum and thermal cracking devices.
Trudy BashNII NP no.6:271-278 '63. (MIRA 17:5)

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AKIMOV, V.S.; SOBOLEV, B.A.; SUSHKO, L.G.

Redistribution of the feed of a solvent and recirculation filtrate in the dewaxing of raffinate. Nefteper. i neftekhim. no. 4:14-17 '64. (MIRA 17:5)

1. Ufimskiy neftepererabatyvayushchiy zavod im. XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza.

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AKIMOV, V.S.; ABRAMOVICH, S.Sh.; KREYMER, M.L.; YEFREMOVA, M.I.; MARKEYEVA, L.I.; FOMINA, O.I.

High-viscosity distillates as an additional resource in the production of motor oils. Trudy BashNII NP no.6:24-34 '63. (MIRA 17:5)

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AKIMOV, V.S.; GOL'DBERG, D.O.; YEFREMOVA, M.I.

Effect of the acetone content in a solvent on dewaxing.
Trudy BashNII NP no.6:112-122 '63. (MIRA 17:5)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.S.; ABRAMOVICH, S.Sh.; MINKAYROVA, S.S.

Laboratory investigation of the combined dewaxing and deoiling of raffinates from Tuymazi oil and a mixture from Volgograd oil. Trudy BashNII NP no.7:46-52 '64. (MIRA 17:9)

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AKIMOV, V.S.; ABRAMOVICH, S.Sh.; SMIRNOVA, N.I.

Effect of the intensity of the mixing of cooled raffinate solutions on their dewaxing. Trudy BashNII NP no.7:53-55 '64. (MIRA 17:9)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100630001-0

AKIMOV, V.T., inzh.; KIBIREV, V.N., inzh.; SHUKAYLO, V.F., kand. tekhn. nauk

Statistical analysis of the reliability and reconditioning of mine haulage equipment. Izv. vys. ucheb. zav.; gor. zhur. 7 no.5:88-97 '64. (MIRA 17:12)

1. Khar'kovskiy institut gornogo mashinostroyeniya, avtomatiki i vychislitel'noy tekhniki. Rekomendovana kafedroy gornykh mashin i rudnichnogo transporta.

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AKIMOV, V.T., inzh.; KIBIREV, V.N., inzh.; SHUKAYLO, V.F., kand. tekhn. nauk

Determining the optimal norms for the life of mine haulage equipment. Izv.vys.ucheb.zav.;gor.zhur. 7 no.6:74-82 '64. (MIRA 17:12)

1. Khar'kovskiy institut gornoy mekhaniki, avtomatiki i vychislitel'noy tekhniki. Rekomendovana kafedroy mashin i rudnichnogo transporta.

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L 10281-66 EWT(m)/EWA(d)/EWP(t)/EWP(z)/EWP(b) MJW/JD

ACC NR: AP5027709 SOURCE CODE: UR/0129/65/000/011/0031/0033

AUTHOR: Prokoshkin, D. A.; Vasil'yeva, A. G.; Akimov, V. V.

ORG: MVTU im. Bauman

TITLE: The strength and ductility of alloy steels subjected to low-temperature thermochemical treatment.

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 11, 1965, 31-33.

TOPIC TAGS: steel, alloy steel, structural steel, steel treatment, heat treatment, thermomechanical treatment, ansforming, steel ansforming, low temperature treatment, steel property/VL1 steel, VL1D steel, VKS1 steel, 40Kh SNVF steel

ABSTRACT: The effect of low-temperature thermomechanical treatment (LTTMT) on the mechanical properties of a series of medium- and high-alloy structural steels has been investigated. Six complex-alloyed steels, VL-1, VL1D, VKS1, 40KhGSNMF, 40KhSNVF, and 40Kh5NSMF, containing 0.3—0.46% C, 1.4—5.2% Cr, 0.81—2.26% Ni, 0—1.5% Mo, 0.55—1.38% Mn, 0.86—1.32% Si, 0—0.8% V, and 0—1.2% W, were austenitized at 900—1030C, cooled to 550—500C, rolled in one, two, and five or ten passes with respective reductions of 20, 40, and over 85% (with reheatings in 5 and 10 pass rolling), oil quenched, and tempered at 200, 250, or 260C. It was found that LTTMT significantly reduced the block size in all the investigated steels. After the LTTMT, the tensile strength of all steels was 60—80 kg/mm^2 higher than that of conventionally heat-treated steels: from 179 to 225 kg/mm^2 for

UDC: 620.178:3:669.15-194:66.046

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L 10281-66

ACC NR: AP5027709

VL1 steel and from 200 to 276 kg/mm^2 for 40KhSNVF steel. The increases in the yield strength and elongation ranged from 4 to 69 kg/mm^2 and from 0.5 to 2.2%, respectively. The most significant increase in the tensile strength occured at low and very high reductions. The elongation increased with increasing reductions up to 60% and decreased with higher reductions. Tempering at temperatures up to 550C does not annihilate the beneficial effect of LTTMT. In all steels after the LTTMT, the ductility was lower (by about 3%) and the resistance to plastic deformation was higher (by 8—13 kg/mm^2) in the direction transverse to that of rolling. Orig. art. has: 4 figures and 4 tables. [MS]

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 004/ OTH REF: 001/ ATD PRESS: 4166

Card 2/2

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AKIMOV, V.V.

PHASE I BOOK EXPLOITATION SOV/2055

Vsesoyuznoye soveshchaniye po steklookhazhdeniyu. 3d, Leningrad, 1959.

Vsesoyuznoye soveshchaniye po steklookhazhdeniyu; trudy Tretyego vsesoyuznogo soveshchaniya Leningrad, 16-20 noyabrya 1959 (Vitreous State; Transactions of the Third All-Union Conference on the Vitreous State, Held in Leningrad on November 16-20, 1959) Moscow, Izd-vo AN SSSR, 1960. 534 p. Errata slip inserted. 3,200 copies printed.
(Series: Its: Trudy)

Sponsoring Agencies: Institut khimii silikatov Akademii nauk SSSR. Vsesoyuznoye khimicheskoye obshchestvo imeni D.I. Mendeleyeva and Gosudarstvennyy ordena Lenina opticheskiy institut imeni S.I. Vavilova.

Editorial Board: A.I. Avgustinik, V.P. Barankovskiy, M.A. Bezborodov, O.K. Botvinkin, V.V.Vargin, A.G. Vlasov, K.S. Yevstrop'yev, A.A. Lebedev, M.A. Matveyev, V.S. Molchanov, R.L. Myuller, Ye.A. Porai-Koshits, Chairman, K.A. Toropov, V.A. Florinskaya, A.K. Yakhkind; Ed. of Publishing House: I.V. Suvorov; Tech. Ed.: V.F. Bocharov.

PURPOSE: This book is intended for researchers in the science and technology of glasses.

COVERAGE: The book contains the reports and discussions of the Third All-Union Conference on the Vitreous State, held in Leningrad on November 16-19, 1959. They deal with the methods and results of studying the structure of glasses, the relation between the structure and properties of glass. Fused chemical bond and glass structure, and the crystallochemistry of glass. silica, mechanism of vitrification, optical properties and glass structure, and the electrical properties of glasses are also discussed. A number of the reports deal with the dependence of glass properties on composition, the tinting of glasses and radiation effects, and semiconductors and soda borosilicate ties of glasses. Other papers treat glass technical, and chemical properglasses. The Conference was attended by more than 300 delegates from Soviet and East German scientific organizations. Among the participants in the discussions were N.V. Solomin, Ye. V. Kuvshinskiy, Yu.A. Gaukler, V.P. Peryamshnikov, Yu. Ya. Gorlib, O.P. Mchedlov-Petrosyan, G.P. Mikhaylov, S.M. Petrov, A.N. Lazarev, D.I. Levin, A.V. Shatilov, N.T. Floshchinskiy, A.Ya. Bokin, E.K. Molchanova. Byurgunovskaya, A.A. Kalnov, M.M. Shcmyakov, P.Ya. Pinaker, and O.S. Kitaygorodskiy, Kurnetsov, V.P. Poddar, R.S. Shevelevich, Z.G. Pinaker, and O.S. Kitaygorodskiy, The final session of the Conference was addressed by Professor I.I. Kitaygorodskiy, Honored Scientist and Engineer, Doctor of Technical Sciences. The following Institutes were cited for their contribution to the development of glass science and technology: Gosudarstvennyy opticheskiy institut (State Optical Institute), Institut khimii silikatov AN SSSR (Institute of Silicate Chemistry AS USSR), Institut khimii silikatov AN SSSR (Physics Institute AS USSR), Fiziko-tekhnicheskiy Fiziko-tekhnicheskiy Institut AN SSSR (Physics Institute AS USSR), Institut fiziki AN BSSR, Institut AN SSSR (Physicotechnical Institute AS USSR), Institut obshchey i neorganicheskoy khimii AN BSSR, Minsk (Institute of General and Inorganic Chemistry, Academy of Sciences, Belorusskaya SSR, Minsk), Institut vysokomolekulyarnykh soyedineniy AN SSSR(Institute of High Molecular Compounds AS USSR), Gosudarstvennyy institut steklyannykh volokna (State Institute for Glass Fibers), Gosudarstvennyy institut elektrotekhnicheskogo stekla (State Institute for Electrical Glass), Sibirskiy fiziko-khimicheskiy institut, Tomsk (Siberian Physicotechnical Institute, Leningrad. tekhnicheskiy institut universitet (Leningrad State University), Moskovskiy khimikhimicheskiy tekhnologicheskiy institut im. Lensoveta (Leningrad Technological Institut imeni tekhnologicheskiy institut (Moscow Institute of Chemical Technology), Leningradskiy Lensoveta), Belorusskiy politekhnicheskiy institut (Belorussian Polytechnic Institute, Minsk), Novocherkasskiy politekhnicheskiy institut (Novocherkassk Polytechnic Institute), and Sverdlovskiy politekhnicheskiy institut (Sverdlovsk Polytechnic Institute). The Conference was sponsored by the Institute of Silicate Chemistry AS USSR (Acting Director - A.S. Gorlib), the Vsesoyuznoye khimicheskoye obshchestvo im. D.I. Mendeleyeva (All-Union Chemical Society Imeni D.I. Mendeleyev), and the Gosudarstvennyy ordena Lenina opticheskiy institut imeni S.I. Vavilova (State "Order of Lenin" Optical Institute Imeni S.I. Vavilov). The 15 resolutions of the Conference include recommendations to organize a Center for the purpose of coordinating the research on glass, to publish a new periodical under the title "Fizika i khimiya stekla" (Physics and Chemistry of Glass), and to join the International Committee on Glass. The Conference thanks A.A. Lebedev, Academician, Professor, and Chairman of the Organization of Committee; Ye.A. Porai-Koshits, Doctor of Physics and Mathematics, Member of the Organizational Committee; and R.L. Myuller, Doctor of Chemical Sciences, Member of the Organizational Committee. The editorial board thanks O.K. Botvinkin, M.V. Vol'kenshteyn, L.I. Demkina, D.P. Dobychin, S.K. Dobrovo, V.A. Ioffe, and B.T. Kolomiyets. References accompany individual reports.

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B110/B101

AUTHOR: Akimov, V. V.

TITLE: Optical constants and density of sodium boro-silicate glasses

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 309, abstract 19K255 (Sb. "Stekloobrazn. sostoyaniye". M.-L., AN SSSR, 1960, 488-493. Diskus., 522-524)

TEXT: 183 glasses of the Na_2O-B_2O_3-SiO_2 system having contents (in mole %) of Na_2O = 5 - 40, B_2O_3 = 0 - 50, SiO_2 = 33 - 85, were studied as to density, refractive index, mean dispersion, and hardness number. An analysis of the results obtained is given. Sodium boro-silicate glass has a complex composition and is a homogeneous mixture of certain compounds and their dissociation products. An organic interrelation exists between the diagrams of the properties and the equilibrium diagram of this system. [Abstracter's note: Complete translation.]

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15 2120

25056
S/080/60/033/010/004/029
D216/D306

AUTHOR: Akimov, V.V.

TITLE: Investigation of optical properties of sodium borosilicate glass

PERIODICAL: Zhurnal prikladnoy khimii, v. 33, no. 10, 1960, 2190 - 2197

TEXT: The object of the author's present work was to investigate 185 different glasses of sodium-borosilicate system containing Na_2O 5-40 mol. %, B_2O_3 0-50 mol. %, and SiO_2 33-85 mol. %. The synthetical compositions of the glass is given in tabulated form. In order to eliminate the error due to loss of volatile, use was made of Lyuberetskiy sand and 3 kinds of glass, heated in a quartz vessel of 50 l. capacity and marked 5-30, 30-30, and 33.3-0, the first number giving the molar composition of sodium oxide, the second of boron anhydride; and the silica content varies. In small quantities, chemically pure soda and boric acid were used. The

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Investigation of optical ...

heating of glass was done in an electrical furnace at 900-1400°C in a platinum dish (60 cm^3 capacity) with stirring. The heating was done for 2-4 hours and for the glass with higher relative proportion of SiO_2 for 5-8 hours. Most of the glass was prepared twice and some 3-5 times, the repeats giving a refractive index to $\pm 2 \cdot 10^{-4}$, mean dispersion $\pm 3 \cdot 10^{-5}$ and density $\pm 5 \cdot 10^{-4}$ which is in the range of the accuracy of measurements. The annealing temperature for 12 glass of ratio $\frac{S}{N} = 4$ [Abstractor's note: Author uses following short denotions: $\frac{Na_2O}{B_2O_3} = \frac{N}{B}$, $\frac{SiO_2}{Na_2O} = \frac{S}{N}$, and $\frac{SiO_2}{B_2O_3} = \frac{S}{B}$] was found by the Twayman method [Abstractor's note: Method not explained]. With an increase of B_2O_3 content this temperature rises reaching a maximum for 15-16 % of B_2O_3 (or $\frac{N}{B} = 1.0\text{-}1.1$), then it falls to the initial value at glass 14-30. The glass was subjected

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to fine annealing in a inertion furnace with the rate of fall in temperature of 2.5°C/hr. The glass of system Na_2O-SiO_2 adjacent to glass of system Na_2O-B_2O_3-SiO_2, leached glass and also glass with more than 30-35 % of Na_2O content were found to be hygroscopic. Glass 40-20 dissolved in air. The special experiments on calcination (at 350°C) of the glass powder, kept in air, showed that the stability of the glass towards moisture increases towards the ratio $\frac{N}{B}$ = 0.8-1.0 and also with increase of silica content in glass. Chemical analysis of the composition of 38 glass showed the presence of impurities: 0.15 % of Al_2O_3 and traces of As_2O_3, Fe_2O_3, CaO, MgO. Compared to synthesis figures, the SiO_2 content is found to be higher by average of 0.8 %, Na_2O lower by 0.35 % and B_2O_3 by 0.45 %. The results of investigation of refractive indices n_D and dispersions $n_F - n_C$ are given in tabulated form. The plotting of

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property curves shows definite peaks and breaks of composition corresponding to ratio Na_2O/B_2O_3 close to one and SiO_2/Na_2O close to two. The breaks corresponding to the transition border of leached glass and probably to the borders of polymorphic transformation of silica. The coincidence of properties with the multiple proportions of components is obviously connected with the existence in sodium borosilicate glass, of definite compounds of SiO_2, $Na_2O \cdot 2SiO_2$, Na_2O, $B_2O_3 \cdot 2SiO_2$ and others. There are 4 figures, 1 table and 11 references: 4 Soviet-bloc and 7 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: E.J. Gooding and W.E.S. Turner, J. Soc. Glass Techn., 18, 69, 32, 1934; T.H. Wang, and W.E.S. Turner, J. Soc. Glass. Techn., 29, 390, 1945; Ainsworth, J. Soc. Glass Techn., 38, 185, 536, 1954; G.W. Morey, J. Soc. Glass Techn., 35, 167, 270, 1951.

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